

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 2-2005)

ATTORNEY'S DOCKET NUMBER

PA0304

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
to be assigned **10/550362**

INTERNATIONAL APPLICATION NO.  
PCT/GB2003/003876

INTERNATIONAL FILING DATE  
8 September 2003

PRIORITY DATE CLAIMED  
2 April 2003

TITLE OF INVENTION  
**DETERMINING CELL CYCLE PHASE DATA**

APPLICANT(S) FOR DO/EO/US

**ARINI, Nicholas S.; GOODYER, Ian D.; and ZALTSMAN, Alla B.**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

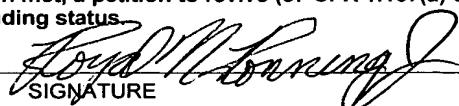
1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☒ A power of attorney and/or change of address letter.
19. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **EV 430343668 US**
23. ☒ Other items or information:

copy of this transmittal letter for charging purposes, Certificate of Mailing by Express Mail, copy of the GB Search Report, copies of the non-US publications cited on the Information Disclosure Statement, paper copy of the sequence listing (1pg), required statements for filing the sequence listing (2pgs) and a return postcard

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |                     |   |                   |   |                       |  |
|---|---------------------|---|-------------------|---|-----------------------|--|
| <p><b>10/550362</b><br/>U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br/>to be assigned</p>  |                     | <p>INTERNATIONAL APPLICATION NO.<br/><b>PCT/GB2003/003876</b></p>             |                   | <p>ATTORNEY'S DOCKET NUMBER<br/><b>PA0304</b></p>   |                       |  |
| <p>The following fees are submitted:</p>  |                     |   |                   | <p><b>CALCULATIONS</b></p>  | <p><b>PTO USE</b></p> |  |
| <p>24. <input checked="" type="checkbox"/> Basic national fee</p>   |                     | <p><b>\$300</b></p>   |                   | <p>\$ <b>\$300.00</b></p>   |                       |  |
| <p>25. <input checked="" type="checkbox"/> Examination fee<br/>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).<br/>All other situations.</p>  |                     | <p><b>\$100</b><br/><b>\$200</b></p>  |                   | <p>\$ <b>\$200.00</b></p>   |                       |  |
| <p>26. <input checked="" type="checkbox"/> Search fee<br/>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority<br/>International Search Report prepared and provided to the Office<br/>All other situations.</p> |                     | <p><b>\$100</b><br/><b>\$400</b><br/><b>\$500</b></p>                         |                   | <p>\$ <b>\$400.00</b></p>   |                       |  |
| <p><b>TOTAL OF 24, 25 and 26 =</b></p>  |                     |   |                   | <p>\$ <b>\$900.00</b></p>   |                       |  |
| <p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p>               |                     |   |                   |   |                       |  |
| <p>Total Sheets</p>   | <p>Extra Sheets</p> | <p>Number of each additional 50 or fraction thereof (round up to a whole)</p> | <p>RATE</p>       |   |                       |  |
| <p>- 100 =</p>  | <p>0 /50 =</p>      | <p>0</p>  | <p>x \$250.00</p> | <p>\$ <b>\$0.00</b></p>   |                       |  |
| <p>Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).</p>  |                     |   |                   | <p>\$</p>   |                       |  |
| <p>CLAIMS</p>   | <p>NUMBER FILED</p> | <p>NUMBER EXTRA</p>   | <p>RATE</p>       |   |                       |  |
| <p>Total claims</p>   | <p>25 - 20 =</p>    | <p>5</p>  | <p>x \$50.00</p>  | <p>\$ <b>\$250.00</b></p>   |                       |  |
| <p>Independent claims</p>   | <p>1 - 3 =</p>      | <p>0</p>  | <p>x \$200.00</p> | <p>\$ <b>\$0.00</b></p>   |                       |  |
| <p>MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00</p>  |                     |   |                   | <p>\$ <b>\$0.00</b></p>   |                       |  |
| <p><b>TOTAL OF ABOVE CALCULATIONS =</b></p>   |                     |   |                   | <p>\$ <b>\$1,150.00</b></p>   |                       |  |
| <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</p>   |                     |   |                   | <p>\$ <b>\$0.00</b></p>   |                       |  |
| <p><b>SUBTOTAL =</b></p>  |                     |   |                   | <p>\$ <b>\$1,150.00</b></p>   |                       |  |
| <p>Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p>  |                     |   |                   | <p>\$ <b>\$0.00</b></p>   |                       |  |
| <p><b>TOTAL NATIONAL FEE =</b></p>  |                     |   |                   | <p>\$ <b>\$1,150.00</b></p>   |                       |  |
| <p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +</p>  |                     |   |                   | <p>\$ <b>\$0.00</b></p>   |                       |  |
| <p><b>TOTAL FEES ENCLOSED =</b></p>   |                     |   |                   | <p>\$ <b>\$1,150.00</b></p>   |                       |  |
|   |                     |   |                   | <p>Amount to be</p>   | <p>\$</p>             |  |
|   |                     |   |                   | <p>Amount to be</p>   | <p>\$</p>             |  |
| <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p>   |                     |   |                   |   |                       |  |
| <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>502-590</u> in the amount of <u>\$1,150.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p>   |                     |   |                   |   |                       |  |
| <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>502-590</u>. A duplicate copy of this sheet is enclosed.</p>   |                     |   |                   |   |                       |  |
| <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>                             |                     |   |                   |   |                       |  |
| <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>  |                     |   |                   |   |                       |  |
| <p>SEND ALL CORRESPONDENCE TO:</p>  |                     |   |                   |   |                       |  |
| <p>Customer No.: 22840<br/>Amersham Biosciences Corp<br/>Patent Department<br/>800 Centennial Avenue<br/>Piscataway, New Jersey 08855<br/>(732) 457-8423</p>  |                     |   |                   |   |                       |  |
|   |                     |   |                   | <p><br/>SIGNATURE</p> |                       |  |
|   |                     |   |                   | <p><b>Royal N. Ronning, Jr.</b><br/>NAME</p>  |                       |  |
|   |                     |   |                   | <p><b>32,529</b><br/>REGISTRATION NUMBER</p>  |                       |  |